



Amoco Production Company

October 13, 1987

Utah Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180

Re: Mancos Mesa Unit #1-A Well located in the  
SE/4 SE/4, Sec. 2, T37S, R13E  
San Juan County, Utah

Amoco Production Company herewith submits for your approval  
an APD for the Mancos Mesa Unit #1-A well located in the SE/4,  
SE/4, Section 2, T37S, R13E, San Juan County, Utah.

An APD for the Mancos Mesa Unit #1 was approved on August 26, 1987  
and assigned an API #43-037-31337 with a surface location of  
570' FSL & 1010' FEL of Section 2, T37S, R13E. The original hole  
was plugged and the rig skidded on 10-12-87.

All water used for both the camp and drilling operation will  
be commercially transported from a public access located in  
Hite, Utah. Potable water will be provided by the Utah State  
Parks at Hite Marina.

An alternate water source would be located at the Frye Canyon  
General Store.

A Special Use Lease Application was approved prior to submittal  
of the APD for our staging area located in the NE/4 of Section 16,  
T35S, R15E, San Juan County, Utah.

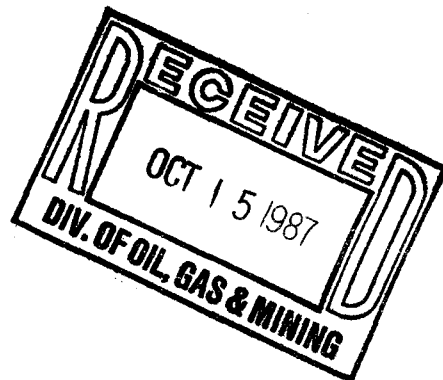
If you should have any questions regarding the material enclosed  
please contact Karen Gollmer at (307) 783-2234.

Thank you,

*Walter G. Shaffer*  
Walter G. Shaffer  
Dist Drilling Supervisor

/kg

Encl.



## STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING**CONFIDENTIAL**

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. Type of Well

Oil Well ☒Gas Well ☐Other ☐Single Zone ☐Multiple Zone ☐

## 2. Name of Operator

AMOCO PRODUCTION COMPANY

**RIG SKID**

## 3. Address of Operator

P. O. BOX 829, EVANSTON, WYOMING 82930

## 4. Location of Well (Report location clearly and in accordance with any State requirements.)\*

At surface

577' FSL &amp; 998' FEL

At proposed prod. zone

SE/56

## 5. Lease Designation and Serial No.

ML-35456

## 6. If Indian, Allottee or Tribe Name

## 7. Unit Agreement Name

Mancos Mesa Unit

## 8. Farm or Lease Name

Mancos Mesa Unit

## 9. Well No.

#1-A

## 10. Field and Pool, or Wildcat

Wildcat

11. Sec., T., R., M., or Blk.  
and Survey or Area

Sec. 2, T37S, R13E

## 12. County or Parrish 13. State

San Juan

Utah

## 15. Distance from proposed\*

location to nearest  
property or lease line, ft.  
(Also to nearest drlg. line, if any)

577'

## 16. No. of acres in lease

17. No. of acres assigned  
to this well18. Distance from proposed location\*  
to nearest well, drilling, completed,  
or applied for, on this lease, ft.

## 19. Proposed depth

2230'

Original Rock

## 20. Rotary or cable tools

Rotary-Air

## 21. Elevations (Show whether DF, RT, GR, etc.)

5242' GR

## 22. Approx. date work will start\*

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
7 7/8"	6"	20#	100'	50 sx
5 7/8"	4 1/2"	13.5#	1800' - 2000'	50 sx

AMOCO PRODUCTION COMPANY PROPOSES TO DRILL AND  
EVALUATE THE WHITE RIM FORMATION.**CONFIDENTIAL**APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 7-10-22-87

BY: John R. Bay

WELL SPACING: R 1/5-2-3

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

## 24.

Signed.....

Title. Dist. Drilling Supervisor

Date. 10-13-87

(This space for Federal or State office use)

Permit No. 43-037-31355

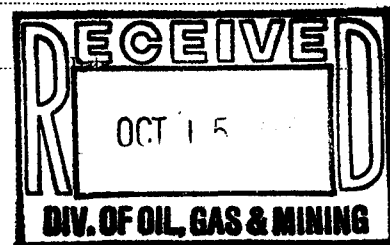
Approval Date

Approved by: Walter H. Shaffer

Title

Conditions of approval, if any:

\*See Instructions On Reverse Side



## 10-Point Drilling Program

### Mancos Mesa Unit #1-A

- 1) Geologic name of the surface formation: Navajo
- 2) Estimated tops of geological markers:

<u>Formation</u>	<u>Depth</u>
Kayenta	350'
Wingate	575'
Chinle	990'
Moenkopi	1,995'
*White Rim	2,140'
Organ Rock	2,225'
Total Depth	2,230'

- 3) Anticipated depths to encounter water, oil, gas or other mineral-bearing formations:

<u>Substances</u>	<u>Depth</u>
Oil Gas, Water	2,140'

- 4) Casing Program:

<u>Hole Size</u>	<u>Casing</u>	<u>Wt/Ft</u>	<u>Grade</u>	<u>Threads</u>	<u>Cementing Depth</u>
7 7/8"	6"	20#	K55	FL4S	100'
5 7/8"	4 1/2"	13.5#	K55	FL4S	1800' - 2000'

- 5) Operators minimum specifications for pressure control equipment are explained on the attached schematic diagram. After running surface casing and prior to drilling out, the BOP and other pressure equipment will be installed and mechanically operated. The BOP will be checked daily for mechanical operations only and will be noted on the IADC Daily Drilling Report.

- 6) Mud Program:

<u>Interval</u>	<u>Type Mud</u>	<u>Wt #/gal</u>	<u>Viscosity</u>	<u>WL CC/30M</u>
0-100'	Air		Air	
0-1800'-2000'	Air		Air/Mist	Until water is encountered
1800'-TD	LSND	8.6-8.8#	Mud weight as required to control wellbore.	

**CONFIDENTIAL**

7) Auxiliary Equipment:

Kelly cock; hand held H<sub>2</sub>S monitors; coring equipment and handling/transport boxes; operator geologists on location...

8) Testing Program:

None

Logging Program:

Core Gamma Log on Recovered Core

Coring Program:

A continuous core will be taken from 1800' - TD

9) No abnormal pressures or temperatures are anticipated.

10) Anticipated starting date will be when approved and the duration of drilling operations will be approximately 45 days.

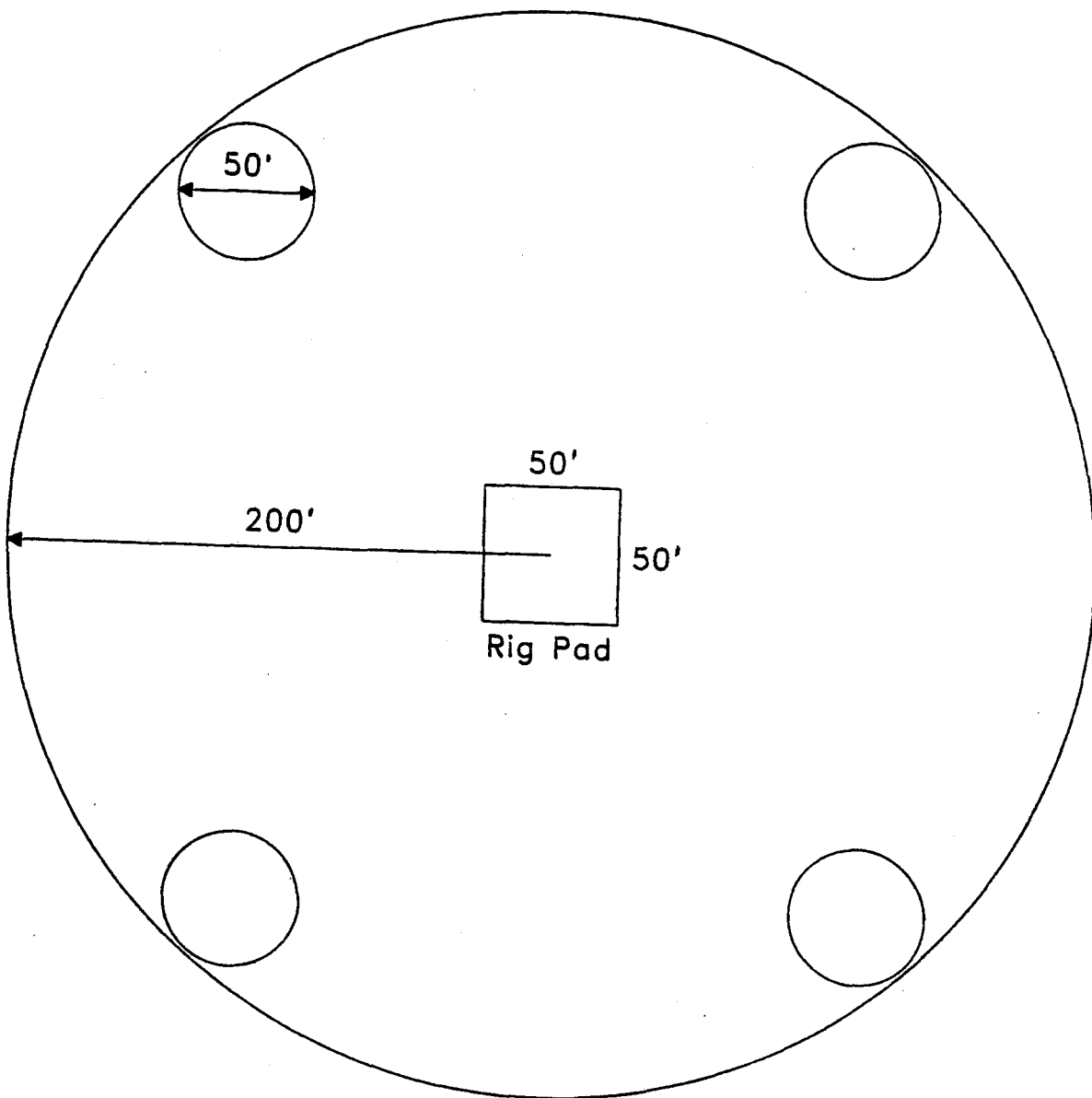
The proposed program for the above referenced well in the event a pressurized aquifer is penetrated would be to shut the well in and perform standard well control operations. It should be noted that no abnormal pressures are anticipated and sufficient BOP equipment will be installed.

To accommodate any excess liquids from a flowing aquifer, a holding tank will be placed on location. The holding tank will be in addition to the proposed blow-out prevention equipment and the typical methods of stopping a liquid influx through mud column hydrostatic pressures.

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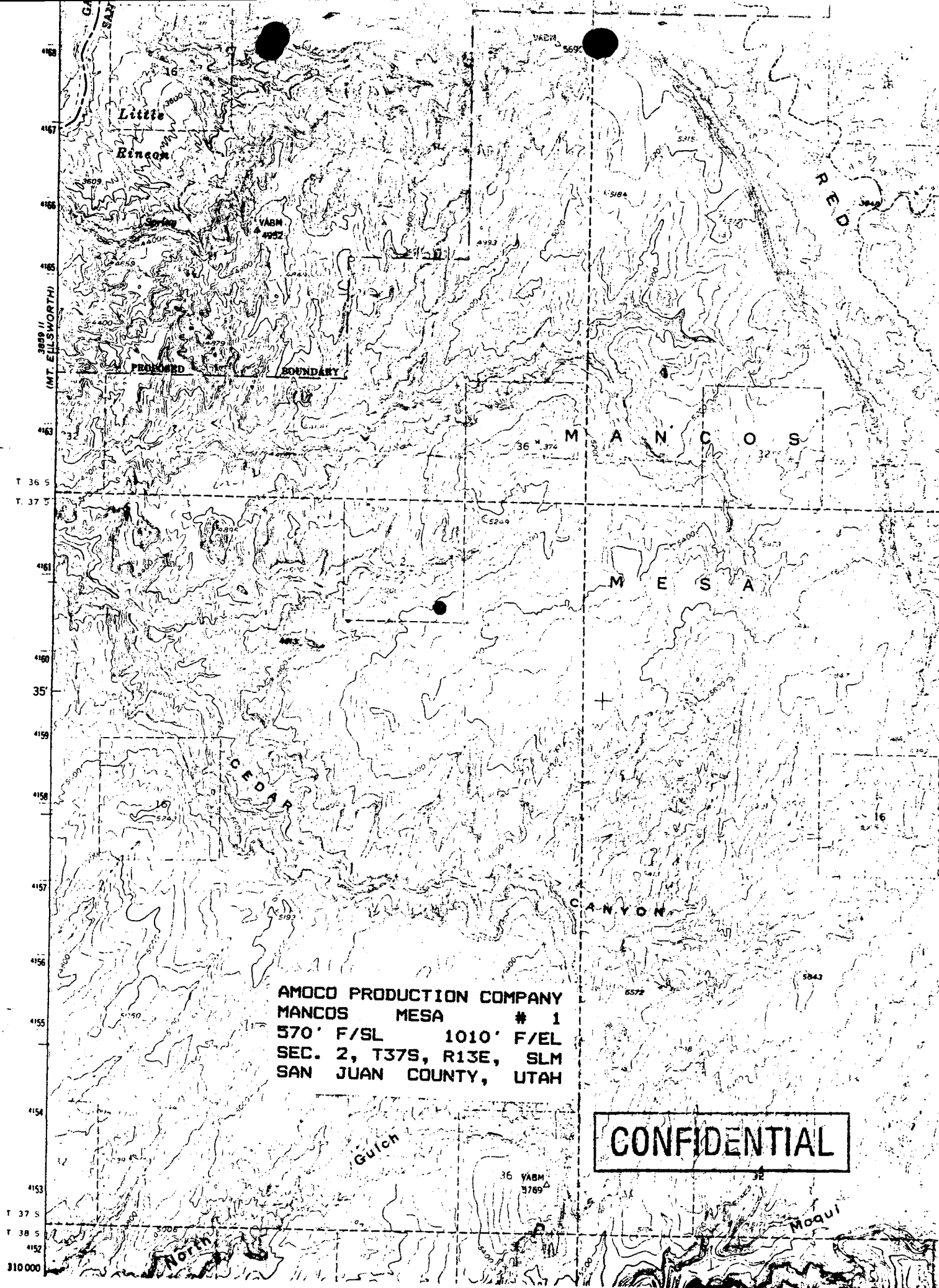
# Mancos Mesa #1 Surface Location Layout

200' Radius Circle centered around a point  
577' FSL, 998' FEL Section 2, T37S, R13E



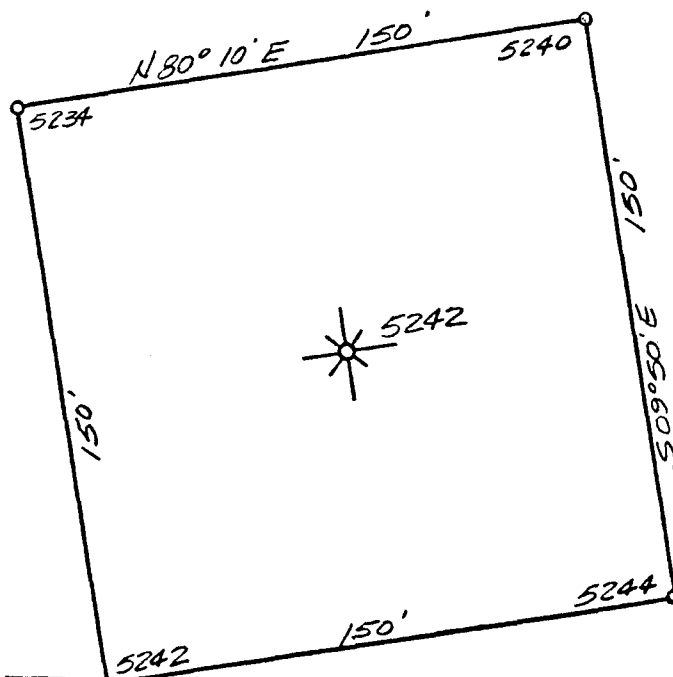
Helicopter pads will be positioned 150' from wellbore to  
provide access based on wind direction.

**CONFIDENTIAL**



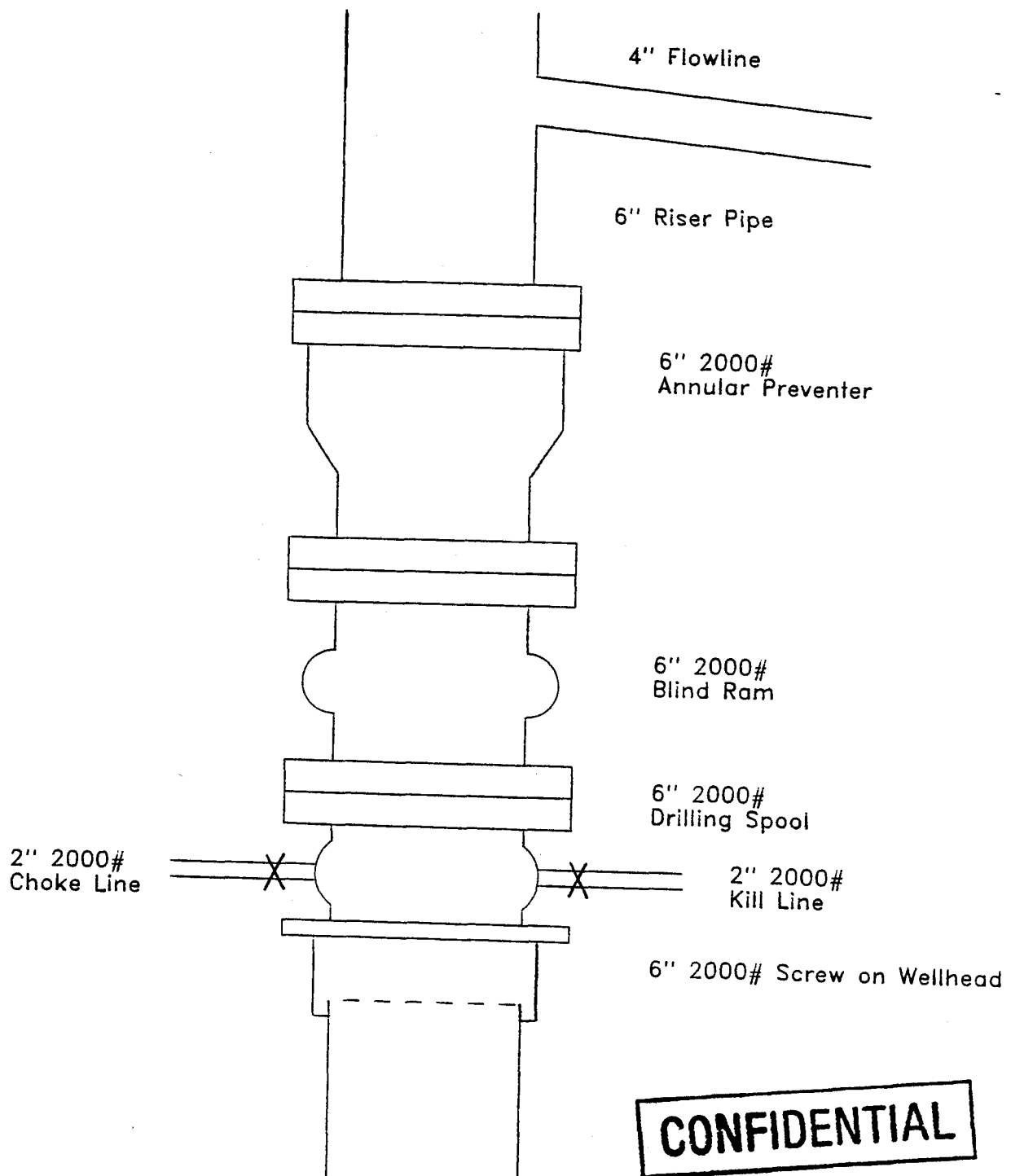
AMOCO PRODUCTION COMPANY  
MANCOS MESA # 1  
577' F/SL 998' F/EL  
SEC. 2, T37S, R13E, SLM  
SAN JUAN COUNTY, UTAH

CONFIDENTIAL



SCALE: 1" = 500'  
DATE SURVEYED: JULY 24, 1987

# Mancos Mesa #1 BOP Diagram



**CONFIDENTIAL**



CONFIDENTIAL

102603

OPERATOR Amoro Production Co. DATE 10-19-87

WELL NAME Mancos Mesa Unit 1-A RIG SKID

SEC SE SE 2 T 37S R 13E COUNTY San Juan

43-037-31355  
API NUMBER

State  
TYPE OF LEASE

CHECK OFF:

☐ PLAT

☐ BOND

☐ NEAREST  
WELL ON 02-4-89

☐ LEASE

☐ FIELD

☐ POTASH OR  
OIL SHALE

PROCESSING COMMENTS:

Rig Skid - Mancos Mesa Unit #1  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

APPROVAL LETTER:

SPACING: ☒ R615-2-3 Mancos Mesa ☐ R615-3-2  
UNIT

☐ CAUSE NO. & DATE ☐ R615-3-3

STIPULATIONS:

1. The conditions of approval established for the original well, Mancos Mesa Unit #1, shall apply..
2. The Mancos Mesa Unit #1 will be plugged and abandoned prior to completing the #1-A well for production

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
See APPLICATION FOR PERMIT—" for other instructions.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. ML-35456	
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. BOX 829, EVANSTON, WYOMING 82930		7. UNIT AGREEMENT NAME Mancos Mesa Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 577' FSL & 998' FEL		8. FARM OR LEASE NAME Mancos Mesa Unit	
14. PERMIT NO. 43-037-31355		9. WELL NO. #1-A	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5242' GR		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 2, T37S, R13E	
		12. COUNTY OR PARISH San Juan	
		13. STATE Utah	

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The Mancos Mesa Unit #1-A well was spud on 10-12-87 at 1200 hrs.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Administrative Supervisor

DATE 10-15-87

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

555 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

October 22, 1987

Amoco Production Company  
P. O. Box 829  
Evanston, Wyoming 82930

Gentlemen:

Re: Mancos Mesa Unit 1-A (Rig Skid) - SE SE Sec. 2, T. 37S, R. 13E  
577' FSL, 998' FEL - San Juan County, Utah

Approval to drill the referenced well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule R615-2-3, Oil and Gas Conservation General Rules, subject to the following stipulations:

1. The conditions of approval established for the original well, Mancos Mesa Unit #1, shall apply.
2. The Mancos Mesa Unit #1 well shall be plugged and abandoned prior to completing the #1-A well for production.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form to the Division within five working days of the time that the well is spudded or a change in operations or interests necessitates a change in entity status.
3. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
4. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.

Page 2  
Amoco Production Company  
Mancos Mesa 1-A  
October 22, 1987

5. Compliance with the requirements of Rule R615-3-22, Gas Flaring or Venting, Oil and Gas Conservation General Rules.
6. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31355.

Sincerely,



R. J. Firth  
Associate Director, Oil & Gas

as  
Enclosures  
cc: State Lands & Forestry  
Branch of Fluid Minerals  
D. R. Nielson  
8159T

P: A notification

Mancos Mesa #1A:

43-037-31355

1406187

JRB

Csg: 4 1/2" @ 1329'

Amoco

Mancos Mesa #1A  
and #1 wells

- No flowing water.

Sec. 2, T37S, R13E  
San Juan Co.

- Set pipe in Chinle

- Drilled to Moenkopi, lost fish and couldn't  
get back down.

TD = 1971'

Sunk @ 1562'

- ① Set a plug on top of bridge. (100')
- ② Drop a bentonite plug (bentonite pellets)
- ③ Bridge off ~ 50' from surface  
Set a cement plug back to surface
- ④ Set a flat plate as marker

Mancos Mesa #1:

TD = 1206

Pipe set to 1162' (3 1/2") Palled  
portions of 3 1/2" and 4 1/2" pipe

① Similar procedure as #1 well.

- Will start plugging both wells tonight or  
tomorrow depending on approval from main  
office

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. ML-35456 <i>041</i>	
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME 110609	
3. ADDRESS OF OPERATOR P. O. BOX 829, EVANSTON, WYOMING 82930		7. UNIT AGREEMENT NAME Mancos Mesa Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 577' FSL & 998' FEL		8. FARM OR LEASE NAME Mancos Mesa Unit	
14. PERMIT NO. 43-037-31355		9. WELL NO. #1-A	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5242' GR		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec. 2, T37S, R13E	
		12. COUNTY OR PARISH 13. STATE San Juan Utah	

RECEIVED

NOV 4 1987

DIVISION OF OIL  
GAS & MINING

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐  
☐  
☐  
☐  
☐

PULL OR ALTER CASING

☐  
☐  
☐  
☐  
☐

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐  
☐  
☐  
☐  
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

Report of operations

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

☐  
☐  
☐  
☐  
☐
(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Date: 10-31-87

Spud: 10-12-87

Dril. Contractor: Longyear 3349

Depth: 1971'

Bit: 3.032"

Conditioning hole in preparation to run 3 1/2" csg.

18. I hereby certify that the foregoing is true and correct

SIGNED

*Louis T. Lutz*

TITLE Administrative Supervisor

DATE 10-31-87

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

IN TRIPLICATE\*  
See instructions on  
reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

ML-35456 110909

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Drl.

7. UNIT AGREEMENT NAME

Mancos Mesa Unit

8. FARM OR LEASE NAME

Mancos Mesa Unit

9. WELL NO.

#1-A

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 2, T37S, R13E

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

14. PERMIT NO.

43-037-31355

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

577' FSL &amp; 998' FEL

16.

## Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

P X A

The above referenced well was plugged and abandoned on 11-4-87 at a total depth of 1971'. The following materials were used to isolate the wellbore:

19 sacks of cement  
9 sacks of hole plug

A dryhole marker plate was welded on the surface casing and buried beneath ground level.

Witnessed by Ed Deputy of the Utah Oil & Gas Commission.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Administrative Supervisor

DATE

11-4-87

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

\*See Instructions on Reverse Side

DATE: 11-12-87

BY: John R. Buge

## PHONE CONVERSATION DOCUMENTATION FORM

Confidential

Route original/copy to:

☒ Well File Mercer Mass 1-A☐ Suspense☐ Other(Location) Sec 2 Twp 37S Rng 13E

(Return Date) \_\_\_\_\_

(API No.) 43-037-31355

(To - Initials) \_\_\_\_\_

1. Date of Phone Call: 2/10/89 Time: 11:302. DOGM Employee (name) Arleen A. (Initiated Call ☒  
Talked to:Name Karen Gallmer (Initiated Call ☐ - Phone No. (307) 283-2234  
of (Company/Organization) Amoco3. Topic of Conversation: WCR4. Highlights of Conversation: She will send one.



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN DUPLICATE\*  
(See other instructions  
on reverse side)

56 64 01

16

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input checked="" type="checkbox"/>	Other _____
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>
		DIFF. RESVR. <input type="checkbox"/>	Other _____		
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY					
3. ADDRESS OF OPERATOR P. O. BOX 829, EVANSTON, WY 82930					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 577' FSL & 998' FEL At top prod. interval reported below At total depth					
14. PERMIT NO. 43-043-31355 DATE ISSUED FEB 16 1989					
5. LEASE DESIGNATION AND SERIAL NO. ML-35456					
6. IF INDIAN, ALLOTTEE OR TRIBE NAME					
7. UNIT AGREEMENT NAME Mancos Mesa Unit					
8. FARM OR LEASE NAME Mancos Mesa Unit					
9. WELL NO. #1-A					
10. FIELD AND POOL, OR WILDCAT Wildcat					
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 2, T37S, R13E					
15. DATE SPUDDED 10-12-87		16. DATE T.D. REACHED 11-3-87		17. DATE COMPL. (Ready to prod.)	
20. TOTAL DEPTH, MD & TVD 1971'		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION, TOP, BOTTOM, NAME (MD AND TVD) Hole was lost, well plugged 11-3-87 with 5' sx holeplug, 19' sx cmt followed with 4' sx hole plug to surface		23. INTERVALS DRILLED BY		25. WAS DIRECTIONAL SURVEY MADE	
26. TYPE ELECTRIC AND OTHER LOGS RUN					27. WAS WELL CORED
28. CASING RECORD (Report all strings set in well!)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7"	23#	122'	8.750	18 sx	
4 1/2"	11.3#	1330'	5.875	1st time 10 sx 2nd time 11 sx	
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
30. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
31. PERFORATION RECORD (Interval, size and number)					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED		
33. PRODUCTION					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in) P & A
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.
				WATER—BSL.	GAS-OIL RATIO
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.
					OIL GRAVITY-API (CORR.)
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)					TEST WITNESSED BY
35. LIST OF ATTACHMENTS					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED <i>Walter L. Shaffer</i>		TITLE Drilling Supervisor		DATE 2-13-89	

\*(See Instructions and Spaces for Additional Data on Reverse Side)